

# SFY 2017 WORKPLAN

## GOAL #2: Protecting America's Waters

### OBJECTIVE 2.1 Protect Human Health

Program: DWR

#### TASK 1.1 Drinking Water Plan Review

Continued

#### 1.1 DELIVERABLES:

OUTPUT DESCRIPTION	Target	Actual	Responsible Section	Grant
1 Report numbers of permitting decisions on drinking water plan review applications. POU/POE approvals are included in the ATC/AOC numbers.				DWSRF 10%
a Approvals to Construct (ATC)	Semi-Annual	153	Drinking Water	
b Approvals of Construction (AOC)	Semi-Annual	166	Drinking Water	

1.1 FTE Funding Source	FTE	Personnel	ERE	Indirect	Others	Total
WQFF-DWSRF 10% [Match]	0.50	31,040	13,658	19,998		64,696
WQFF	2.17	91,607	40,307	59,018		190,932
SDW (VEI) DWSRF 10% [Match]	0.81	57,770	25,419	37,219		120,408
DWSRF 10%	1.92	108,219	47,616	69,721		225,556
TOTALS	5.40	288,636	127,000	185,956		601,592

#### End of Year Summary

ATC - Q1 39 + Q2 33 + Q3 45+ Q4 36 = 153  
AOC - Q1 44 + Q2 51 + Q3 34 + Q4 37 = 166

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## GOAL #2: Protecting America's Waters

### OBJECTIVE 2.1 Protect Human Health

Program: DWR

#### TASK 1.2 Drinking Water Technical Assistance

Continue WIFA/DEQ partnership in providing operational technical assistance and tools to public water systems to assist in improving system compliance. Assistance may involve use of ADEQ staff and/or third party providers, as appropriate.

#### 1.2 DELIVERABLES:

OUTPUT DESCRIPTION	Target	Actual	Responsible Section	Grant
1 Finalize Master Priority List (MPL) for system level technical assistance in conjunction with WIFA.	3/16/2017	6/30/2017	Drinking Water	
2 Initiate System Evaluations (SEs) projects to state approved contractors and oversee contractor performance. Apply system level TA, which may include fundable ranges outlined in WIFA's Intended Use Plan (IUP), within 30 days after SEs are approved by the state.	Semi-Annually	20	Drinking Water	
3 Report the decrease in missed monitoring violations for lead and copper	4/15/2017		Drinking Water	DWSRF 10%
4 Report the technical assistance provided to small PWS with a high score on the MPL	Semi-Annually	13	Drinking Water	DWSRF 10%
5 Report the the number of small PWSs in compliance	6/30/2017		Drinking Water	DWSRF 10%
6 If resources are available, ADEQ will attend the national Capacity Development and Operator Certification conference/workshop	6/30/2017		Drinking Water	
7 If resources are avaialble, ADEQ will attend the EPA -ORD Samll Systems Compliance Technology Workshop	6/30/2017		Drinking Water	
8 Report the number of small PWS which a water rate analysis/rate case was completed.	Semi-annually	0	Drinking Water	

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## GOAL #2: Protecting America's Waters

### OBJECTIVE 2.1 Protect Human Health

Program: DWR

#### TASK 1.2 Drinking Water Technical Assistance

Continued

1.2 FTE Funding Source	FTE	Personnel	ERE	Indirect	Others	Total
SDW (VEI) DWSRF 10% [Match]	0.50	29,432	12,950	18,962		61,344
SDW (VEI)	0.18	9,421	4,145	6,070		19,636
DWSRF 10%	0.69	34,886	15,350	22,476		72,712
Contract: Oper Tech Assist (DSWRF 15%)					200,000	200,000
Contract: Oper Tech Assist (2% set aside)					200,000	200,000
TOTALS	1.37	73,739	32,445	47,508	400,000	553,692

#### End of Year Summary

(8) Working with WIFA & ACC to figure out who has the proper resources to assist in developing a rate case

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## GOAL #2: Protecting America's Waters

### OBJECTIVE 2.1 Protect Human Health

Program: DRW

#### TASK 1.3 Operator Certification

The Safe Drinking Water Act requires states to adopt and implement a program for certification and recertification of the operators of community water systems (CWSs) and non-transient, non-community water systems (NTNCWSs) that meet the minimum standards set forth in guidelines to be published by EPA.

ADEQ will conduct certification exams or contract with third party to conduct exams statewide, maintain registry of certified operators, and process and resolve disputes between persons and third party testers. ADEQ will continue outreach on the proposed operator certification fee rule as needed.

1.3 DELIVERABLES:				
OUTPUT DESCRIPTION	Target	Actual	Responsible Section	Grant
1 Conduct training workshops.	6	22	Drinking Water	PPG
2 Report certificates issued by class and grade:				PPG
a Distribution Grade 1	Semi-Annual	455	Drinking Water	
b Distribution Grade 2	Semi-Annual	282	Drinking Water	
c Distribution Grade 3	Semi-Annual	172	Drinking Water	
d Distribution Grade 4	Semi-Annual	191	Drinking Water	
e Treatment Grade 1	Semi-Annual	265	Drinking Water	
f Treatment Grade 2	Semi-Annual	244	Drinking Water	
g Treatment Grade 3	Semi-Annual	150	Drinking Water	
h Treatment Grade 4	Semi-Annual	157	Drinking Water	
3 Review and verify professional development hours for certification renewals.	10%	10%	Drinking Water	PPG
4 Conduct annual audit of approved third party proctors.	100%	100%, audit 2/28/2017	Drinking Water	PPG
5 FY16 Annual Report to EPA	9/15/2016	8/31/2016	Drinking Water	PPG

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## GOAL #2: Protecting America's Waters

### OBJECTIVE 2.1 Protect Human Health

Program: DRW

#### TASK 1.3 Operator Certification

Continued

1.3 FTE Funding Source	FTE	Personnel	ERE	Indirect	Others	Total
WQFF-DWSRF 10% [Match]	1.00	37,570	16,531	24,205		78,306
SDW (VEI) DWSRF 10% [Match]	1.67	85,457	37,601	55,056		178,114
SDW (VEI)	0.25	15,777	6,942	10,164		32,883
PPG	0.58	28,078	12,354	18,089		58,521
Contract: Oper Tech Assist (2% set aside)					100,160	100,160
TOTALS	3.50	166,882	73,428	107,514	100,160	447,984

End of Year Summary

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## GOAL #2: Protecting America's Waters

### OBJECTIVE 2.1 Protect Human Health

Program: DWR

#### TASK 1.4 New and Existing System Capacity Development

Ensure that new community water systems and non-transient, non-community water systems which commenced operations since October 1, 1999, can demonstrate technical, managerial and financial capacity to operate in compliance with the requirements contained in the federal regulations in effect at the time the water system begins operations.

Continue WIFA/DEQ Partnership providing operational technical assistance and tools to public water systems to assist in improving system compliance. Identify technical, managerial and financial (TMF) obstacles/challenges faced by existing systems and implement strategies to address.

#### 1.4 DELIVERABLES:

OUTPUT DESCRIPTION	Target	Actual	Responsible Section	Grant
1 Report permitting decisions on elementary business plan applications.	Semi-Annual	1	Drinking Water	DWSRF 10%
2 Conduct ongoing training for PWS staff/certified operators which, at a minimum, will include the following topics:				DWSRF 10%
a Monitoring Assistance Program	2	12	Drinking Water	
b New PWS capacity development	2	13	Drinking Water	
c EMP/ERP/VA	2	3	Drinking Water	
d Existing Safe Drinking Water rules	4	14	Drinking Water	
3 FY16 Annual Report	9/15/2016	8/31/2016	Drinking Water	DWSRF 10%
4 Re-evaluate the capacity development program as part of the development of the small systems compliance strategy identified in Task 1.2.	6/30/2017		Drinking Water Director	DWSRF 10%

1.4 FTE Funding Source	FTE	Personnel	ERE	Indirect	Others	Total
SDW (VEI)	0.08	4,837	2,128	3,116		10,081
DWSRF 10%	0.29	17,282	7,604	11,134		36,020
TOTALS	0.37	22,119	9,732	14,250		46,101

#### End of Year Summary

# SFY 2017 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.1** Protect Human Health

**Program: DWR**

### TASK 1.5 Drinking Water Monitoring Assistance Program (MAP)

Assist small public water systems serving fewer than 10,000 populations with improving system compliance by developing and implementing strategies to perform required monitoring. Provide technical assistance, develop and update monitoring guidance documents. Initiate and issue waivers. Update vulnerability assessments. Reconcile laboratory analysis report with requested tests and with individual system monitoring requirements. Assure all follow-up samples are taken. GPS points of entry, as needed.

#### 1.5 DELIVERABLES:

OUTPUT DESCRIPTION	Target	Actual	Responsible Section	Grant
1 Update monitoring schedules, including waivers and/or reduced monitoring assessments, for:				
a Groundwater PWSs	Semi-Annually		Drinking Water	
b Surface water PWSs	Semi-Annually		Drinking Water	

1.5 FTE Funding Source	FTE	Personnel	ERE	Indirect	Others	Total
SDW (VEI)	0.48	30,617	13,471	19,725		63,813
Map Fee Fund	1.00	45,841	20,170	29,533		95,544
Contract: Map Lab					750,000	750,000
TOTALS	1.48	76,458	33,641	49,258	750,000	909,357

#### End of Year Summary

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## GOAL #2: Protecting America's Waters

### OBJECTIVE 2.1 Protect Human Health

Program: DWR

#### TASK 1.6 Drinking Water Monitoring and Reporting

These activities will support all the monitoring and reporting requirements for public drinking water systems in accordance with state and federal drinking water rules.

#### 1.6 DELIVERABLES:

OUTPUT DESCRIPTION	Target	Actual	Responsible Section	Grant
1 Complete SDWIS reporting for OECA on actions taken on systems with new violations.	T = Quarterly	A =3	Drinking Water	DWSRF 10%
2 Run monitoring/reporting rules in SDWIS, or alternative system as per monitoring schedule, validate violations and ensure proper public notification is issued. Report rules that were not run.	T = Semi-Annual	A =1	Drinking Water	DWSRF 10%
3 Hold regular meetings and/or conference calls with EPA to discuss PWSs issues. Document agreement on discussed items and follow up actions.	T= Monthly (12)	A =4	Drinking Water	DWSRF 10%
4 Complete GUDI determinations on new groundwater sources as they are developed. Report determinations.	T = Semi-Annual	A =1	Drinking Water	DWSRF 10%
5 Review and respond to incremental primacy crosswalks comments as provided by EPA for PWS definition, Arsenic and Radionuclides	T = Within 45 days of receipt from EPA Region 9	A =0	Drinking Water, Director	DWSRF 15%
6 Review the January 2016 SDWIS Data Quality Report and determine high priority data quality improvement areas to be addressed in FY16	7/1/2016		Drinking Water	DWSRF 15%
7 Conduct an oversight audit of Maricopa County delegated program	6/30/2017		Compliance /Drinking Water	DWSRF 15%
8 If resources are available attend the annual ASDWA Data Management Users Conference	Semi-Annually		Drinking Water	DWSRF 15%
9 Coordinate with EPA to schedule an EPA PWSS program review	10/1/2016	10/24/2016	Drinking Water	
10 Review EPA's PWSS program review report and incorporate recommendations into the FY17 workplan as appropriate	6/30/2017		Drinking Water	



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## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.1**      Protect Human Health

**Program: DWR**

### **TASK 1.6**   Drinking Water Monitoring and Reporting

Continued

<b>1.6</b>	<b>FTE Funding Source</b>	<b>FTE</b>	<b>Personnel</b>	<b>ERE</b>	<b>Indirect</b>	<b>Others</b>	<b>Total</b>
	SDW (VEI) DWSRF 10% [Match]	0.33	21,003	9,241	13,531		43,775
	SDW (VEI)	2.82	146,536	64,476	94,407		305,419
	DWSRF 15%	1.46	78,540	34,558	50,600		163,698
	DWSRF 10%	3.65	197,174	86,757	127,031		410,962
	TOTALS	<b>8.26</b>	<b>443,253</b>	<b>195,032</b>	<b>285,569</b>		<b>923,854</b>

**End of Year Summary**

# SFY 2017 WORKPLAN

## GOAL #2: Protecting America's Waters

### OBJECTIVE 2.1 Protect Human Health

Program: DWR

#### TASK 1.7 Source Water Protection

Identify protective strategies and assist individual public water systems with the planning, development and application of measures/actions necessary to implement the Source Water Protection Program. Targets are our goals; however, the actual numbers achieved rely on the willingness and ability of public water systems to participate in the voluntary source water protection program (SWPP).

- a) Source Water Protection – provide technical assistance in planning and implementing local Source Water Protection for public water systems throughout Arizona.
- b) Source Water Assessments – perform or assist in the development of assessments for new individual sources or new systems which voluntarily choose to participate in source water protection by delineating source water protection areas, inventorying potential sources of contamination and performing vulnerability/susceptibility analysis.
- c) GUDI/Suspect GUDI Evaluations/Hydrology reviews – Make sensitivity determinations for PWSs/sources through reviews of occurrence data, sanitary surveys, and hydrological characterizations.

#### 1.7 DELIVERABLES:

OUTPUT DESCRIPTION	Target	Actual	Responsible Section	Grant
1 Conduct Source Water Protection Program outreach events with individual PWSs.	6	2	Drinking Water	DWSRF 15%
2 Delineate source water assessment areas for new PWSs/sources or reassess/update existing assessment areas.				DWSRF 15%
A) Collect locational data using GPS and/or GIS for new drinking water sources or modify/update locational information for existing sources.				
a Collect locational data using GPS and/or GIS for new drinking water sources or modify/update locational information for existing sources.	2	4	Drinking Water	
3 Conduct comprehensive inventories of potential sources of contamination.	6	9	Drinking Water	DWSRF 15%
a Collect locational data using GPS and/or GIS for potential sources of contamination (chemical use/storage) within ½ mile radius of a new or existing drinking water source.	3	4	Drinking Water	
b Identify any changes in trends to the previously identified, most prevalent, and most threatening potential sources of contamination.	6/30/2017		Drinking Water	
4 Assist public water systems to identify protection strategies and to implement those strategies.				DWSRF 15%

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## GOAL #2: Protecting America's Waters

### OBJECTIVE 2.1 Protect Human Health

Program: DWR

#### TASK 1.7 Source Water Protection

Continued

1.7 DELIVERABLES:					
OUTPUT DESCRIPTION		Target	Actual	Responsible Section	Grant
a	Use new and updated SW assessments as part of a PWS's development of a SW Protection Plan	4	4	Drinking Water	
5	Participate in regional source water protection calls/forums.	As scheduled/needed	1	Drinking Water	DWSRF 15%

1.7 FTE Funding Source	FTE	Personnel	ERE	Indirect	Others	Total
DWSRF 15%	1.85	112,331	49,426	72,370		234,127
TOTALS	1.85	112,331	49,426	72,370		234,127

#### End of Year Summary

# SFY 2017 WORKPLAN

## GOAL #2: Protecting America's Waters

### OBJECTIVE 2.1 Protect Human Health

Program: GWR

#### TASK 2.1 Groundwater Protection – Permits

Carry out Arizona's groundwater protection program to protect Arizona's aquifers as drinking water sources. Maintain compliance with these programs through effective permitting in accordance with Department rules, practices, and policies.

Assist individual wastewater systems to improve operations on site.

#### 2.1 DELIVERABLES:

OUTPUT DESCRIPTION	Target	Actual	Responsible Section	Grant
1 Report number of permitting decisions on Type 4 General Permit applications for on-site wastewater treatment systems and sewage collection systems.				DWSRF 15%
a Construction Authorizations Strategy 2.b.i	Semi-Annual		Groundwater	
b Discharge Authorizations Strategy 2.b.i	Semi-Annual		Groundwater	
2 Report number of permitting decisions on Certificates of Approval of Sanitary Facilities for Subdivisions applications. Strategy 3.a.i	Semi-Annual		Groundwater	
3 Report on groundwater issues related to underground injection via the APP Permits with UIC Nexus. Table following Task 2.1.	Semi-Annual		Water Permits	DWSRF 10%
4 Report number of permitting decisions on APP and reclaimed water permit applications.	Semi-Annual		Water Permits	
5 Provide technical support to WQIG on grant applications & public education. Strategy 3.a.i	As needed		Water Permits	
6 Register existing and new dry wells (Class V injection wells). Report number registered.	Semi-Annual		Water Permits	DWSRF 15%
7 Provide list of APP recharge applications in progress. (Refer to Recharge Facility Reviews Table following Task 2.1.)	Semi-Annual		Water Permits	DWSRF 15%
8 Review hydrologic reports, attend meetings and provide technical support on projects related to mitigation orders. (Refer to Mitigation Order Reviews Table following Task 2.1)	Semi-Annual		Water Permits/Compliance	DWSRF 15%

# SFY 2017 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.1**      Protect Human Health

**Program: GWR**

### **TASK 2.1**   Groundwater Protection – Permits

Continued

#### **2.1 DELIVERABLES:**

<b>OUTPUT DESCRIPTION</b>		<b>Target</b>	<b>Actual</b>	<b>Responsible Section</b>	<b>Grant</b>
9 Manage the Pesticide Contamination Prevention Program					
a	Evaluate potential for agricultural use pesticide active ingredients to reach and/or impact groundwater. Report number processed.	Semi-Annual		Water Permits	
b	Publish the annual Groundwater Protection List (GWPL)	Semi-Annual		Water Permits	

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## GOAL #2: Protecting America's Waters

### OBJECTIVE 2.1 Protect Human Health

Program: GWR

#### TASK 2.1 Groundwater Protection – Permits

Continued

2.1 FTE Funding Source	FTE	Personnel	ERE	Indirect	Others	Total
WQFF-DWSRF 10% [Match]	3.88	229,791	101,108	148,044		478,943
WQFF- PPG [Match]	2.91	182,952	80,499	117,868		381,319
WQFF - NPS in PPG [Match]	0.27	17,478	7,690	11,260		36,428
WQFF	8.61	460,331	202,546	296,571		959,448
DWSRF 15%	2.86	165,841	72,970	106,844		345,655
DWSRF 10%	1.49	97,997	43,119	63,135		204,251
TOTALS	20.02	1,154,390	507,932	743,722		2,406,044

### End of Year Summary

Table 1 - APP PERMITS WITH UIC NEXUS

ProjectName	Description
Excelsior Gunnison	The project is a proposed in situ (ISR) copper mine. The ISR method involves injecting low-pH barren solutions into the orebody using injection wells and extracting copper-bearing solutions at recovery wells that surround each injection well.
Florence Copper, Inc. Pilot Test Facility	FCI applied for a significant amendment to the Temporary Individual Permit. The purpose of the amendment is to address the Water Quality Appeals Board decision to uphold the Administrative Law Judge's decision on the Appeal of the permit.
Kinder Morgan	Kinder Morgan plans to develop the St. Johns Gas Unit as a major supplier of CO2 for enhanced recovery of oil and natural gas.
Morton Salt	Glendale, AZ. Salt is mined from Luke Salt Body via solution mining wells. Existing Individual APP (Permit #100176).
BHP Miami	APP to include injection well field. Existing Individual APP Permit #101546.
City of Sedona Wastewater Reclamation Plant – Injection Test Well	Injection testing at the Sedona Wastewater Reclamation Plant (WWRP) using Class A+ reclaimed water to determine sustainable injection rates. Temporary APP 511189 was issued October 2013 and renewed until October 2015.

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## GOAL #2: Protecting America's Waters

### OBJECTIVE 2.1 Protect Human Health

Program: GWR

#### TASK 2.1 Groundwater Protection – Permits

Continued

Table 2 - RECHARGE FACILITY REVIEWS

ProjectName	Description
Pima County WWMD – Green Valley WW Reclamation Facility	APP Amendment to add a new lift station and effluent line. Effluent disposal is to four percolation ponds. APP P-100629.
City of Chandler – Ocotillo Water Reclamation Facility (USF Permit Application also)	Amendment to existing APP P-100140 to increase the permitted wastewater effluent volume from the wastewater treatment plant from 10 MGD to 15.5 MGD.
City of Cottonwood Riverfront Water Reclamation Facility (USF Permit application also)	Application for an individual APP, Inventory Number 511220. To permit a new wastewater treatment plant, including the disposal of up to 300,000 GPD of wastewater effluent for irrigation reuse or to an injection well.
Eloy Detention Center Water Reclamation Facility	Amendment to existing APP P-102749, including the addition of an additional recharge basin, and an increase of effluent disposal capacity from 622,000 GPD to 900,000 GPD.
Marana Water Reclamation Facility (USF Permit application also)	Amendment to APP P-100631 to increase the effluent disposal capacity from 0.7 MGD to 3.5 MGD. Includes the addition of two new treatment trains and three new recharge basins.
City of Glendale – Arrowhead Ranch WRF	Amendment to APP P-100385 to set alert levels and aquifer quality limits in a point of compliance well.
City of Chandler - Chandler Heights Recharge Facility (USF Permit amendment also)	Amendment to existing APP P-105482 to increase the effluent recharge limit to five on-site recharge basins from 2 MGD to 6 MGD.
City of Tucson – Southeast Houghton Area Recharge Project (USF Permit application also)	APP application for recharge facility utilizing three new recharge basins for disposal of wastewater effluent from the Tucson Reclaimed Water Treatment Plant. Inventory number 511628.
Liberty Utilities (Litchfield Park Water & Sewer) Corp.- Palm Valley Water Reclamation Facility	Amendment to current APP P-100310 to allow recharge of effluent to four infiltration basins.
Luke 303 Water Reclamation Facility (EPCOR West Valley Regional WRF) (USF Permit application also)	APP application for recharge of wastewater effluent to 13 on-site basins. Inventory number 511700.
Redrock Correctional Center	Amendment application to APP P-105663 upgrade the headworks at the wastewater treatment facility. Disposal includes four evaporation/percolation basins.
Bensch Ranch WWTP	Amendment application to APP P-105001 to change disposal method from AZPDES discharge to percolation ponds

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**OBJECTIVE 2.1**      Protect Human Health

**Program: GWR**

### **TASK 2.1**    Groundwater Protection – Permits

Continued

Town of Gilbert South Recharge Site	Review of APP compliance schedule items relating to installation of four new point of compliance wells and an ambient groundwater monitoring program. APP P-105302.
City of Chandler - Ocotillo Brine Reduction Facility (USF Permit amendment also)	Amendment to existing APP P-102865 to allow an additional source water and disposal to three additional APP recharge permit locations.
Verrado Water Reclamation Facility	Amendment to APP P-105202 to add a new effluent surface discharge point. Disposal locations include AZPDES discharge, reuse, and two vadose zone injection wells.



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**OBJECTIVE 2.1**      Protect Human Health

**Program: GWR**

### **TASK 2.1**   Groundwater Protection – Permits

Continued

Table 3 - MITIGATION ORDER REVIEWS

ProjectName	Description
Bisbee Mitigation Order	Sulfate in groundwater from Freeport McMoRan Copper Queen Mine
Sierrita Mitigation Order	Sulfate in groundwater from Freeport McMoRan Sierrita Mine

# SFY 2017 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.2** Protect and Restore Watersheds and Aquatic Ecosystems

**Program: SWR**

### TASK 3.1 Arizona Pollutant Discharge Elimination System (AZPDES)

Carry out federal and state statutory requirements of the Arizona Pollutant Discharge Elimination System program to ensure discharges to surface waters will meet water quality standards and, therefore, will not degrade surface water quality. Maintain compliance through effective permitting in accordance with Department rules, practices, and policies.

#### 3.1 DELIVERABLES:

OUTPUT DESCRIPTION	Target	Actual	Responsible Section	Grant
1 Report the number of permitting decisions on AZPDES individual permit applications.				
a.i Report numbers processed. Issued	Semi-annual	26	Water Permits	
a.ii Report numbers processed. Modified	Semi-annual	3	Water Permits	
a.iii Report numbers processed. Denied	Semi-annual	0	Water Permits	
a.iv Report numbers processed. Suspended	Semi-annual	0	Water Permits	
a.v Report numbers processed. Withdrawn/Revoked	Semi-annual	5	Water Permits	
a.vi Report numbers processed. Backlogged	Semi-annual	9	Water Permits	
b Coordinate with EPA on variance approval process and strategy.	Semi-annual		Water Permits	
2 Process permit renewals for all expiring AZPDES permits with a goal of 90% current to minimize backlog. (Refer to AZPDES Renewal Permits Table following Task 1.3.1.). For purposes of this work plan, 'backlog' means an AZPDES application that is 6 months after the permit expiration or one year after application receipt date for a new application.	>90%	91% for all permits. See details in 4th quarter update.	Water Permits	
3 Phase I MS4 Permits				
a Review annual reports Phase I Annual Reports are not due until Sept 30	1/31/2017		Surface Water	

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## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.2** Protect and Restore Watersheds and Aquatic Ecosystems

**Program: SWR**

### TASK 3.1 Arizona Pollutant Discharge Elimination System (AZPDES)

Continued

3.1 DELIVERABLES:				
OUTPUT DESCRIPTION	Target	Actual	Responsible Section	Grant
b Continue outreach efforts	ongoing		Surface Water	
4 Implement activities for MS4 Permittees				
a.i Phase I Conduct one audit of each permittee once every five years	2 (EPA will conduct)		Surface Water	
b.i Phase II Perform one audit of each permittee once every seven years	6/30/2017	8 Small MS4 inspections conducted. All Field inspections completed on June 14, 2017	Surface Water	
c Refer facilities to the Compliance Section for inspections as needed	As needed		Surface Water	
5 Multi Sector General Permits				
a Conduct stakeholder meetings	9/30/2016		Surface Water	
b Provide draft permit for informal review	12/31/2016		Surface Water	
c Public notice draft permit in Arizona Administrative Register	2/28/2017		Surface Water	
d Prepare responses to public notice comments	4/30/2017		Surface Water	
e Issue final permit	6/30/2017		Surface Water	
6 AZPDES General Permits - Review and process applications, annual reports, DMRs and SWPPPs. Report applications processed:				
a.i Biosolids GP Notices of Intent	Semi-annual	3	Water Permits	
a.ii Biosolids GP Notices of Termination	Semi-annual	1	Water Permits	

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## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.2** Protect and Restore Watersheds and Aquatic Ecosystems

**Program: SWR**

### TASK 3.1 Arizona Pollutant Discharge Elimination System (AZPDES)

Continued

3.1 DELIVERABLES:					
OUTPUT DESCRIPTION		Target	Actual	Responsible Section	Grant
a.iii	Biosolids GP Total Number of Filers	Semi-annual	10	Water Permits	
b.i	Infrequent discharge GP Notices of Intent	Semi-annual	1	Water Permits	
b.ii	Infrequent discharge GP Notices of Termination	Semi-annual	0	Water Permits	
b.iii	Infrequent discharge GP Total Number of Filers	Semi-annual	3	Water Permits	
c.i	Minor discharges GP Notices of Intent	Semi-annual	0	Water Permits	
c.ii	Minor discharges GP Notices of Termination	Semi-annual	0	Water Permits	
c.iii	Minor discharges GP Total Number of Filers	Semi-annual	3	Water Permits	
d.i	Multi-Sector General Permits Notices of Intent	Semi-annual	72	Surface Water	
d.ii	Multi-Sector General Permits Notices of Termination	Semi-annual	70	Surface Water	
d.iii	Multi-Sector General Permits Certificate of No Exposure	Semi-annual	65 new NECs for FY	Surface Water	
d.iiii	Multi-Sector General Permits Total Number of Filers	Semi-annual	Total Number of Facilities Covered by MSGP in FY17 =XXXX	Surface Water	

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## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.2** Protect and Restore Watersheds and Aquatic Ecosystems

**Program: SWR**

### TASK 3.1 Arizona Pollutant Discharge Elimination System (AZPDES)

Continued

3.1 DELIVERABLES:				
OUTPUT DESCRIPTION	Target	Actual	Responsible Section	Grant
e.i Stormwater Construction General Permits Notices of Intent	Semi-annual	Total Number of CGP NOIs for FY2017 = 1,994	Surface Water	
e.ii Stormwater Construction General Permits Notices of Termination	Semi-annual	Total number of CGP NOTs submitted in FY17 = 1,788	Surface Water	
e.iii Stormwater Construction General Permits Waivers	Semi-annual	Total Number of Waivers for FY 17 = 75	Surface Water	
e.iii Stormwater Construction General Permits Total Number of Filers	Semi-annual	Total Number of Facilities Covered by CGP in FY17 =	Surface Water	
f.i.(1) DeMinimis General Permits Notices of Intent Single source	Semi-annual		Surface Water	
f.i.(2) DeMinimis General Permits Notices of Intent Area wide	Semi-annual		Surface Water	
f.ii DeMinimis General Permits Notices of Termination	Semi-annual		Surface Water	
f.iii DeMinimis General Permits Total Number of Filers	Semi-annual		Surface Water	
g.i Pesticide General Permit Notices of Intent	Semi-annual	10	Surface Water	

# SFY 2017 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.2** Protect and Restore Watersheds and Aquatic Ecosystems

**Program: SWR**

### TASK 3.1 Arizona Pollutant Discharge Elimination System (AZPDES)

Continued

3.1 DELIVERABLES:					
OUTPUT DESCRIPTION		Target	Actual	Responsible Section	Grant
g.ii	Pesticide General Permit Notices of Termination	Semi-annual	5	Surface Water	
g.iii	Pesticide General Permit Total Number of Filers	Semi-annual	Total Number of Activites Covered by the PGP in FY17 = 92	Surface Water	

# SFY 2017 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.2** Protect and Restore Watersheds and Aquatic Ecosystems

**Program: SWR**

### TASK 3.1 Arizona Pollutant Discharge Elimination System (AZPDES)

Continued

3.1 FTE Funding Source	FTE	Personnel	ERE	Indirect	Others	Total
WQFF	14.47	701,157	308,509	451,725		1,461,391
Contract: MS4 Audits (WQFF)					92,000	92,000
TOTALS	14.47	701,157	308,509	451,725	92,000	1,553,391

### End of Year Summary

Individual Permits Unit Summary:

The average number of days to grant an individual permit for FY17 was 167 days. This exceeded ADEQ's goal of granting all individual permits within 180 days.

### 3.1 AZPDES RENEWAL PERMITS

Permitee	AZPDES #	TYPE	Application Status	Permit Exp Date	Date Appl Due	App Received	LTFNum	Proj Mgr
CITY OF BENSON - WWTF	AZ0026026	Maj	Issued					RM
ALPINE SANITARY DISTRICT - WWTS	AZ0026174	Min	New In Process					
JANUARY ADIT (NORTON MINE)		Min	New In Process					
Resolution Copper	AZ0020389	Maj	Issued					
FREESCALE SEMICONDUCTOR	AZ0025861	Min	Issued					
MOTOROLA - NIBW AREA 12 - TREATMENT FACILITY	AZ0025933	Min	Issued					
CITY OF SHOW LOW	AZ0023841	Maj	Renewal In Process					
USDOJ NPS - GRAND CANYON NP - DESERT VIEW WWTP	AZ0023612	Min	Issued					RM
APACHE JUNCTION WELL 6	AZ0026042	Min	Terminated					
BRADSHAW MOUNTAIN RV RESORT	AZ0024741	Min	Issued					NA

# SFY 2017 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.2** Protect and Restore Watersheds and Aquatic Ecosystems

**Program: SWR**

### TASK 3.1 Arizona Pollutant Discharge Elimination System (AZPDES)

Continued

#### 3.1 AZPDES RENEWAL PERMITS

Permittee	AZPDES #	TYPE	Application Status	Permit Exp Date	Date Appl Due	App Received	LTFNum	Proj Mgr
CITY OF KINGMAN -	AZ0026018	Min	Issued					
TOWN OF MAMMOTH - CIELO WWTP	AZ0025470	Min	Terminated					
TOWN OF WICKENBURG - WWTP	AZ0020044	Min	Terminated					
Tempe Town Lake ** carryover	AZ0024490	Maj	New Application Pending					
TOWN OF KEARNY - NEW WWTP	AZ0024449	Min	Issued					
TOWN OF SNOWFLAKE - WWTP	AZ0026034	Min	Issued					
PETRO STOPPING CENTER	AZ0022756	Min	Issued					
CENTRAL BUCKEYE WASTEWATER TREATMENT PLANT - Major Mod	AZ0025313	Maj	Issued					
SRP - ADMINISTRATIVE OFFICES	AZ0024341	Min	Issued					
CITY OF MESA - SOUTHEAST WATER RECLAMATION PLANT - Major Mod	AZ0025151	Maj	Issued					
PIMA COUNTY - WWMD - MOUNT LEMMON WWTP	AZ0022250	Min	Issued					
KINGS RANCH - UNIT II WWTP	AZ0023060	Min	Issued					



# SFY 2017 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.2** Protect and Restore Watersheds and Aquatic Ecosystems

**Program: SWR**

### TASK 3.1 Arizona Pollutant Discharge Elimination System (AZPDES)

Continued

#### 3.1 AZPDES RENEWAL PERMITS

Permittee	AZPDES #	TYPE	Application Status	Permit Exp Date	Date Appl Due	App Received	LTFNum	Proj Mgr
PINETOP-LAKESIDE SANITARY DISTRICT - WWTP	AZ0025437	Min	Terminated					
ORGANICS RECOVERY GARDEN	AZ0026085	Min	Terminated					
Big Park Domestic WWID	AZ0024082	Min	Issued	12/1/2010	6/1/2010	5/26/2010	52778	SM
US NPS GCNP - North Rim WWTP	AZ0110426	Min	Backlogged	1/23/2011	7/23/2010	7/16/2010	52982	RC
US NPS GCNP - South Rim WWTP	AZ0022152	Min	Backlogged	2/24/2011	8/24/2010	8/24/2010	53126	RC
Jerome, Town of	AZ0021804	Min	Issued	10/23/2012	4/23/2012	4/18/2012	56012	RC
Houston Creek Landing	AZ0025305	Min	Backlogged	6/2/2013	12/2/2012	12/3/2012	57314	RC
Flagstaff Meadows WWTP (formerly Bellemont)	AZ0024708	Min	Issued	7/24/2013	1/24/2013	2/13/2013	57314	CC
Cottonwood, City of - WWTP	AZ0024716	Maj	Issued	5/6/2014	11/6/2013	11/7/2013	59016	JM
BISON RANCH WWTP	AZ0025399	Min	Backlogged	12/17/2014	6/17/2014	10/14/2014	61334	JM
AG&F - CANYON CREEK FISH HATCHERY	AZ0021229	Min	Backlogged	4/27/2016	10/27/2015	10/22/2015	63170	JM
NORTHERN GILA COUNTY SANITARY DISTRICT - AMERICAN GULCH	AZ0020117	Maj	Issued	3/30/2017	9/21/2016	9/7/2016		
TOWN OF PRESCOTT VALLEY - WWTP	AZ0025381	Maj	Issued	4/11/2017	10/13/2016	10/11/2016		
CAP - HAVASU PLANT	AZ0023990	Min	Issued	4/24/2017	10/26/2016	9/2/2016		
USDOI BR - GLEN CANYON DAM & POWERPLANT	AZ0025666	Min	Issued	4/24/2017	10/26/2016	12/14/2016		

# SFY 2017 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.2** Protect and Restore Watersheds and Aquatic Ecosystems

**Program: SWR**

### TASK 3.1 Arizona Pollutant Discharge Elimination System (AZPDES)

Continued

#### 3.1 AZPDES RENEWAL PERMITS

Permittee	AZPDES #	TYPE	Application Status	Permit Exp Date	Date Appl Due	App Received	LTFNum	Proj Mgr
USDOI BR - GLEN CANYON DAM & POWERPLANT	AZ0026069	Min	Issued	4/26/2017	10/28/2016	12/14/2016		
WICKENBURG RANCH WRF	AZ0025976	Min	Issued	5/10/2017	11/11/2016	11/9/2016		
SRP - AGUA FRIA STEAM PLANT	AZ0023531	Maj	Issued	6/12/2017	12/14/2016	12/12/2016		
ANTHEM WATER CAMPUS WWTP	AZ0025429	Min	Issued	7/2/2017	1/3/2017	1/3/2017		
TOWN OF QUARTZSITE - WWTP	AZ0023752	Min	Renewal In Process	7/23/2017	1/24/2017	1/23/2017		
ED PASTOR KINO ENVIRONMENTAL RESTORATION PROJECT	AZ0025291	Maj	Renewal In Process	9/20/2017	3/24/2017	3/23/2017		
VALLE AIRPARK WRF	AZ0024015	Min	Renewal In Process	10/30/2017	5/3/2017	4/28/2017		
MILLER ROAD TREATMENT FACILITY	AZ0024139	Min	Renewal In Process	10/31/2017	5/4/2017	5/3/2017		
SHANNON ROAD/EL CAMINO DEL CERRO	AZ0026093	Min	Renewal In Process	11/26/2017	5/30/2017	5/26/2017		
PIMA COUNTY - ROY P DRACHMAN - AGUA CALIENTE PARK	AZ0025330	Min	Renewal In Process	11/26/2017	5/30/2017	5/30/2017		
CITY OF EL MIRAGE - WWTP	AZ0023272	Maj	Renewal In Process	12/13/2017	6/16/2017	6/12/2017		
CITY OF BISBEE - SAN JOSE WWTP	AZ0026077	Maj	Renewal In Process	12/13/2017	6/16/2017	6/16/2017		
PAINTED MESA WATER RECLAMATION FACILITY	AZ0025542	Maj	Renewal In Process	12/23/2017	6/26/2017	6/28/2017		

# SFY 2017 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.2**      Protect and Restore Watersheds and Aquatic Ecosystems

**Program: SWR**

### **TASK 3.1   Arizona Pollutant Discharge Elimination System (AZPDES)**

Continued

# SFY 2017 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.2** Protect and Restore Watersheds and Aquatic Ecosystems

**Program: SWR**

### TASK 3.2 CWA 401 Certification Review of Federal Permits and Licenses

Conduct CWA §401 Certification program to ensure activities being proposed for federal permits or licenses will meet surface water quality standards.

#### 3.2 DELIVERABLES:

OUTPUT DESCRIPTION	Target	Actual	Responsible Section	Grant
1 Report certification decisions on State 401 applications. (Refer to 401 Certification Actions Table following Task 3.2) Report certification decisions.				PPG
a Regional CWA 404 general permits	Semi-Annual		Surface Water	
b Individual CWA 404 permits	Semi-Annual		Surface Water	
c Nationwide CWA 404 permits	Semi-Annual		Surface Water	
d Other federal permit or licenses applications	Semi-Annual		Surface Water	

3.2 FTE Funding Source	FTE	Personnel	ERE	Indirect	Others	Total
PPG	0.41	24,306	10,695	15,659		50,660
TOTALS	0.41	24,306	10,695	15,659		50,660

#### End of Year Summary

# SFY 2017 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.2** Protect and Restore Watersheds and Aquatic Ecosystems

**Program: SWR**

### **TASK 3.3 Regional Water Quality Management Planning**

Carry out state and federal requirements of regional Water Quality Management Planning Program (CWA 208 Program). Track implementation of new WQM Plans (e.g., Yuma, SEAGO).

#### **3.3 DELIVERABLES:**

<b>OUTPUT DESCRIPTION</b>	<b>Target</b>	<b>Actual</b>	<b>Responsible Section</b>	<b>Grant</b>
1 Process WQM Plan Amendments/Updates. Report status of amendments received. (Refer to Regional WQM Planning Activity table following Task 3.3)	6/30/2017		Water Permits	604(b)16
2 Process 208 conformance determinations. Report determinations. (Refer to Regional WQM Planning Activity table following Task 3.3)	6/30/2017		Water Permits	604(b)16
3 Coordinate and assist Regional organization in their planning efforts, including evaluating the necessity for a revised State Water Quality Management Plan	6/30/2017		Water Permits	PPG

# SFY 2017 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.2** Protect and Restore Watersheds and Aquatic Ecosystems

**Program: SWR**

### TASK 3.3 Regional Water Quality Management Planning

Continued

3.3 FTE Funding Source	FTE	Personnel	ERE	Indirect	Others	Total
PPG	0.35	15,417	6,783	9,932		32,132
604(b)16	0.65	28,632	12,025	18,191		58,848
Aid to Orgs: Council of Gov't (604(b) 16)					40,000	40,000
<b>TOTALS</b>	<b>1.00</b>	<b>44,049</b>	<b>18,808</b>	<b>28,123</b>	<b>40,000</b>	<b>130,980</b>

### End of Year Summary

AZ's slowed development growth rate has continued to affect the 208 program, resulting in fewer projects for approval. In some of the rural areas, on-site development has had some growth. Pinal County which is part of the CAG DPA is experiencing some growth and is processing an amendment for a sanitary district in Gila County. It is anticipated that more growth will occur in Pinal as the North-South Corridor between Tucson and Phoenix runs through Pinal County. Pima Association of Governments (PAG) is preparing an update to its 208 Plan. ADEQ is providing guidance to PAG for a more efficient, streamlined for 208 project review process.

In a recent electronic meeting the Statewide Water Quality Management Work Group (WQMWG) discussed the availability of funding for WQ projects in their DPA area. The next meeting of the WQMWG will be at ADEQ to discuss any amendments forthcoming and other 208 issues. The transfer of the WQMWG information on the PAG website, formerly the WQMWG chair, has been moved to the ADEQ website.

### 3.3 Table 1 - REGIONAL WATER QUALITY MANAGEMENT PLANNING

ProjectName	PlanningAgency	ReviewType	PermitType	Date Received	Date Completed
Desert Springs RV Park	La Paz County	Conformance			1/10/2017
Bensch Ranch	NACOG	Conformance			8/29/2016
Graham County Fairgrounds	SEAGO	Conformance			7/8/2017
Case Grande development	CAG	Conformance		2/28/2017	
Atessa development	CAG	Amendments		1/23/2017	
Alhambra WW Improvement District	CAG	Conformance		12/5/2016	3/18/2017
Freeport McMoran APP Expansion	SEAGO	Conformance		8/31/2016	12/16/2016
Flagstaff Meadows	NACOG	Conformance		7/28/2016	8/25/2016
Bearizona	NACOG	Conformance		7/21/2016	8/25/2016

# SFY 2017 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.2**      Protect and Restore Watersheds and Aquatic Ecosystems

**Program: SWR**

### **TASK 3.3   Regional Water Quality Management Planning**

Continued

Sedona View RV Resort	NACOG	Conformance	7/19/2016	8/25/2016
Northern Gila Sanitation District	CAG	Amendments	6/30/2016	
Verrado WRF	MAG	Conformance	7/20/2016	8/1/2016

# SFY 2017 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.2** Protect and Restore Watersheds and Aquatic Ecosystems

**Program: SWR**

### TASK 3.4 Surface Water Program Development

Perform support activities for surface water program including development of program rules, procedures, and policies.

#### 3.4 DELIVERABLES:

OUTPUT DESCRIPTION	Target	Actual	Responsible Section	Grant
1 Finalize triennial review				PPG
a Meet with Governor's Regulatory Review Council Strategy 1.a.ii	7/31/2016		Surface Water	
b Submit to EPA for final approval Strategy 1.a.ii	8/31/2016		Surface Water	
2 Prepare draft narrative lakes nutrient criteria and implementation procedures for public comment. Strategy 1.a.ii	9/30/2016		Surface Water	NPS in PPG
3 Draft Impaired Waters Identification Rule update for internal review.	8/31/2016		Surface Water	PPG

3.4 FTE Funding Source	FTE	Personnel	ERE	Indirect	Others	Total
WQFF - NPS in PPG [Match]	0.10	6,503	2,861	4,190		13,554
WQARF NPS in PPG [Match]	0.08	5,218	2,296	3,362		10,876
PPG	0.16	7,478	3,290	4,818		15,586
NPS in PPG	0.41	23,490	10,336	15,134		48,960
TOTALS	0.75	42,689	18,783	27,504		88,976

#### End of Year Summary



# SFY 2017 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.2** Protect and Restore Watersheds and Aquatic Ecosystems

**Program: SWR**

### TASK 3.5 Ambient Monitoring Program

Conduct ambient monitoring program, which includes rivers and streams, lakes and reservoirs, groundwater, fish tissue and sediment sampling for priority pollutants. Monitoring to include targeted characterization, planning and/or probabilistic sites in support of 305(b) assessment process, maintaining designated uses, and CWA-SDWA coordination.

#### 3.5 DELIVERABLES:

OUTPUT DESCRIPTION	Target	Actual	Responsible Section	Grant
1 Conduct ambient stream, lake, groundwater, fish, recreational beach, and intermittent stream monitoring according to the FY17 sample plan throughout Arizona. Ambient sampling Strategy 1.a.i	6/30/2017	6/30/2017	Surface Water	NPS in PPG, PPG, 106 Mon - 6
2 Send FY17 SAP to EPA. Strategy 1.a.i	8/31/2016	6/15/2016	Surface Water	NPS in PPG
3 Prepare FY18 ambient monitoring plan Strategy 1.a.i	6/30/2017	6/14/2017	Surface Water	
4 Complete groundwater basin report for:				
a Lower Gila Basin Strategy 1.a.i	12/31/2016	5/30/2017	Surface Water	
b Mexican Drainage Basin	6/30/2017	5/30/2017	Surface Water	

# SFY 2017 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.2** Protect and Restore Watersheds and Aquatic Ecosystems

**Program: SWR**

### TASK 3.5 Ambient Monitoring Program

Continued

3.5 FTE Funding Source	FTE	Personnel	ERE	Indirect	Others	Total
WQARF NPS in PPG [Match]	3.59	170,391	74,972	109,775		355,138
PPG	1.90	88,401	38,896	56,953		184,250
NPS in PPG	1.48	80,378	35,366	51,784		167,528
Contract: Lake Havasu Monitoring (PPG)					8,000	8,000
106 Mon - 6	0.25	13,946	6,136	8,985		29,067
Contract: USGS (PPG)					95,000	95,000
Contract: Ambient Sampling (PPG)					203,700	203,700
<b>TOTALS</b>	<b>7.22</b>	<b>353,116</b>	<b>155,370</b>	<b>227,497</b>	<b>306,700</b>	<b>1,042,683</b>

### End of Year Summary

- 210 stream samples were collected from 60 sites. Sample sites were used to fill in data gaps, monitor outstanding Arizona waters, and to monitor sites for reference conditions. The Surface Water Section (SWS) continues to fund a joint cooperative agreement with the USGS to sample 10 sites on the large rivers in the state from its gauging stations (\$49-225). Probabilistic monitoring was completed for over 30 intermittent stream sites as part of a two year study to assess the condition of intermittent streams in Arizona.
- Lakes program: 21 lake samples were collected from eight lakes for the ambient lake monitoring program.
- Fish program: 100 fish tissue samples were collected and analyzed for mercury. Fish were collected from 15 lakes and streams as well as 4 fish hatcheries throughout Arizona.

# SFY 2017 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.2** Protect and Restore Watersheds and Aquatic Ecosystems

**Program: SWR**

### TASK 3.6 106 Monitoring

Conduct monitoring Initiative (MI) program for implementation of Arizona approved comprehensive monitoring strategy.

#### 3.6 DELIVERABLES:

OUTPUT DESCRIPTION	Target	Actual	Responsible Section	Grant
1 Conduct nutrient monitoring for Rivers and Streams per FY17 sampling and analysis plan. Strategy 1.a.i; Strategy 1.b.ii	Quarterly		Surface Water	NPS in PPG, 106 Mon - 6
2 Intermittent Streams  Deploy random network flow sensors for year 2 of 2 year study Strategy 1.a.i	8/31/2016	8/26/2016	Surface Water	NPS in PPG, PPG, 106 Mon - 6
3 Sample 19 sites selected by EPA for the National Wetland Condition Assessment	9/30/2016	8/14/2016	Surface Water	NPS in PPG
4 Sample 15 sites selected by EPA for the National Lake Survey	9/30/2017		Surface Water	106 Mon - 6

3.6 FTE Funding Source	FTE	Personnel	ERE	Indirect	Others	Total
WQARF NPS in PPG [Match]	0.26	18,974	8,349	12,224		39,547
PPG	0.37	18,294	8,049	11,786		38,129
NPS in PPG	0.33	16,552	7,283	10,664		34,499
Contract: Monitoring (106 WPC-5)					30,000	30,000
106 Mon - 6	2.09	101,260	44,554	65,237		211,051
TOTALS	3.05	155,080	68,235	99,911	30,000	353,226

#### End of Year Summary

A critical elements review of the biocriteria program was conducted in January 2016 as part of the NSTEP grant. Additional sites and methodology was added at the request of Tetra Tech to provide better analysis of nutrient data.

Probabilistic monitoring was completed for over 30 intermittent stream sites as part of a two year study to assess the condition of intermittent streams in Arizona.

As of 7/27/17, 10 of the 15 National Lake Assessment Sites were sampled. All 19 National Wetland Condition Condition Assessment sites were sampled by 9/30/16.

# SFY 2017 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.2** Protect and Restore Watersheds and Aquatic Ecosystems

**Program: SWR**

### TASK 3.7 305(b) Water Quality Assessment Report and 303(d) List

Develop Integrated Report and list of impaired waters.

#### 3.7 DELIVERABLES:

OUTPUT DESCRIPTION	Target	Actual	Responsible Section	Grant
1 Develop 2016 305(b) Integrated Report and 303(d)-List				NPS in PPG, PPG
a Load assessment data to attains Strategy 1.a.i	7/15/2016	12/15/2016	Surface Water	

3.7 FTE Funding Source	FTE	Personnel	ERE	Indirect	Others	Total
PPG	0.38	19,161	8,431	12,345		39,937
NPS in PPG	0.87	52,647	23,165	33,918		109,730
TOTALS	1.25	71,808	31,596	46,263		149,667

#### End of Year Summary

A draft assessment database file was sent in December 2016. EPA finalized the 2016 assessment on 7/26/17. A finalized assessment database submission will be sent to EPA by August 4, 2017.

# SFY 2017 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.2** Protect and Restore Watersheds and Aquatic Ecosystems

**Program: SWR**

### TASK 3.8 Watershed Plan and TMDL Development and Nonpoint Source Program Planning Activities

Plan and manage a Nonpoint Source (NPS) program, including the development of watershed planning documents (TMDLs, WQIPs and EPA-approved alternative plans) to improve surface water quality.

#### 3.8 DELIVERABLES:

OUTPUT DESCRIPTION	Target	Actual	Responsible Section	Grant
1 Complete TMDLs for Queen Creek (6)	12/30/2016		Surface Water	NPS in PPG, PPG
Strategy 1.c.i				
2 Complete TMDLs for Pinto Creek (4)	1/30/2017		Surface Water	NPS in PPG
Strategy 1.c.i				
3 Continue data collection and stakeholder engagement for Santa Cruz Clean Water Plan (4).	6/30/2017		Surface Water	NPS in PPG
Strategy 1.c.i				
4 Complete data collection for San Pedro Clean Water Plan.	6/30/2017		Surface Water	NPS in PPG
Strategy 1.c.i				
5 Complete Davidson Canyon baseline monitoring.	6/30/2017		Surface Water	PPG
Strategy 1.c.i				
6 Identify high-priority restoration and protection watersheds for NPS resources and share with EPA/on ADEQ website.	9/30/2016		Surface Water	
Strategy 1.b.i; Strategy 1.b.ii				
7 NPS Program Planning				
a Host multi-agency nonpoint source prioritization meeting	11/30/2016		Surface Water	
Objective 3.c				
b Coordinate with NRCS on National Water Quality Initiative (NWQI) planning and outreach activities for FY17.	6/30/2017		Surface Water	
Strategy 3.b.ii; Strategy 4.a.i				
8 WQIG Cycle Development				
a Host 2 project planning events for potential grantees	6/30/2017		Surface Water	
Strategy 3.b.ii; Strategy 3.c.i				

# SFY 2017 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.2** Protect and Restore Watersheds and Aquatic Ecosystems

**Program: SWR**

### TASK 3.8 Watershed Plan and TMDL Development and Nonpoint Source Program Planning Activities

Continued

3.8 DELIVERABLES:					
OUTPUT DESCRIPTION		Target	Actual	Responsible Section	Grant
b	Release WQIG Cycle 19 RFGA	9/15/2016	9/28/2016	Surface Water	
c	Award Cycle 19 project grants	3/31/2017		Surface Water	

3.8 FTE Funding Source	FTE	Personnel	ERE	Indirect	Others	Total
WQARF NPS in PPG [Match]	0.58	29,492	12,976	19,000		61,468
PPG	0.25	16,323	7,182	10,516		34,021
NPS in PPG	2.70	155,004	68,202	99,862		323,068
Contract: TMDL Sampling (NPS in PPG)					60,000	60,000
Contract: TMDL Sampling (PPG)					27,300	27,300
TOTALS	3.53	200,819	88,360	129,378	87,300	505,857

### End of Year Summary

ADEQ attempted to incorporate informal review by EPA on Pinto and Queen Creek TMDLs. There is more work to do to ensure that it is a streamlined process and that major "show-stoppers" are identified by EPA as there is still opportunity during public comment for EPA to comment. ADEQ also went through the Arizona Lean Management System (ALMS) transformation during FY17 and there is an emphasis on streamlining processes and eliminating waste. Both Pinto and Queen Creek TMDLs are expected to be completed and to EPA for approval in FY18. The Upper Santa Cruz Clean Water Plan should also be finalized and for EPA approval in FY18.

# SFY 2017 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.2** Protect and Restore Watersheds and Aquatic Ecosystems

**Program: SWR**

### TASK 3.9 NPS Project Implementation, Effectiveness Monitoring/Evaluation, and Reporting

Implement watershed planning documents and other projects to protect and restore surface water quality. Conduct effectiveness monitoring and evaluations to track resulting water quality improvements. Report on NPS program progress and successes.

3.9 DELIVERABLES:				
OUTPUT DESCRIPTION	Target	Actual	Responsible Section	Grant
1 Oversee ongoing implementation projects and technical support contracts to ensure timely completion.  Objective 2.a; Strategy 3.b.iii	Semi Annual Status Table Update		Surface Water	NPS in PPG
2 Effectiveness monitoring and BMP evaluations.				NPS in PPG
a Develop Effectiveness Monitoring & Evaluation plan to identify key sites for FY17. Strategy 4.a.i	7/30/2016		Surface Water	
b Implement FY17 Effectiveness Monitoring & Evaluation Plan  Strategy 4.a.i	Semi Annual Status Table Update		Surface Water	
3 Implement general nonpoint source education, outreach, and technical support activities as requested.				NPS in PPG
a Statewide education and outreach.  Strategy 1.c.ii; Strategy 1.c.iii; Strategy 2.b.i; Objective 3.b	Semi Annual Status Table Update		Surface Water	
4 Conduct monthly update calls with EPA Region 9.  Objective 4.b	Monthly		Surface Water	NPS in PPG
5 Enter load reduction data into GRTS in accordance with EPA requirements and deadlines and ensure mandated elements are up to date for existing projects.  Objective 4.b	2/15/2017		Surface Water	
6 Develop list of potential waters for WQ-10 and/or SP-12 reporting to EPA.  Objective 4.b	12/31/2016		Surface Water	

# SFY 2017 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.2** Protect and Restore Watersheds and Aquatic Ecosystems

**Program: SWR**

### TASK 3.9 NPS Project Implementation, Effectiveness Monitoring/Evaluation, and Reporting

Continued

3.9 DELIVERABLES:				
OUTPUT DESCRIPTION	Target	Actual	Responsible Section	Grant
7 Draft and submit two WQ-10 and/or SP-12 reports to EPA.  Objective 4.b	6/30/2017		Surface Water	
8 NWQI reporting  Objective 4.b	Semi Annual Status Table Update		Surface Water	
9 Report on annual progress of implementing the 2015 - 2019 NPS 5-year plan				
a Submit draft annual report to EPA for review and comment  Objective 4.b	7/31/2016		Surface Water	
10 Report on annual progress of implementing the 2015 - 2019 NPS 5-year plan				
b Submit final annual report to EPA  Objective 4.b	9/30/2016		Surface Water	



# SFY 2017 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.2** Protect and Restore Watersheds and Aquatic Ecosystems

**Program: SWR**

### TASK 3.9 NPS Project Implementation, Effectiveness Monitoring/Evaluation, and Reporting

Continued

3.9 FTE Funding Source	FTE	Personnel	ERE	Indirect	Others	Total
WQARF NPS in PPG [Match]	0.25	11,086	4,878	7,142		23,106
NPS in PPG	4.40	239,328	105,304	154,188		498,820
Aid to Orgs: NPS Projects (NPS Proj 27)					1,276,500	1,276,500
<b>TOTALS</b>	<b>4.65</b>	<b>250,414</b>	<b>110,182</b>	<b>161,330</b>	<b>1,276,500</b>	<b>1,798,426</b>

### End of Year Summary

ADEQ released the first Watershed Preservation Grant cycle in Cycle 20 with the regular Water Quality Improvement Grants. Hillside Mine project was completed in May 2017. ADEQ hired a Citizen Science Coordinator to expand volunteer monitoring, will work in conjunction with U of A through the remainder of the grant. ADEQ now has at least 12 groups in 10 different watersheds across the state. Surface Water Section received \$300,000 from UST funds to purchase equipment to develop a loaner library.

### Tasks 3.8 and 3.9

Task #: 3.9	Project Name: NWQI Reporting	Project Type: Effectiveness Monitoring
	Purpose: NWQI	Pollutant:
	Milestone: (To be filled out with FY17 data prior to finalization of workplan)	
Task #:	Project Name: Implement general nonpoint source education, outreach, and technical support activities as requested.	Project Type:
	Purpose:	Pollutant:
	Milestone: (To be filled out with FY17 data prior to finalization of workplan)	
Task #:	Project Name: Effectiveness monitoring and BMP evaluations.	Project Type: Effectiveness Monitoring; BMP Evaluation
	Purpose:	Pollutant:
	Milestone: (To be filled out with FY17 data prior to finalization of workplan)	
Task #:	Project Name: Oversee ongoing implementation projects and technical support contracts to ensure timely completion.	Project Type: NPS Implementation
	Purpose:	Pollutant:
	Milestone: (To be filled out with FY17 data prior to finalization of workplan)	

# SFY 2017 WORKPLAN

## GOAL #2: Protecting America's Waters

### OBJECTIVE 2.1 Protect Human Health

Program: GWR, DWR

#### TASK 4.1 Drinking Water Compliance and Enforcement

Conduct compliance inspections of drinking water systems. Investigate and resolve complaints relating to regulated facilities. Respond to drinking water emergencies. Populate SDWIS sanitary survey fields.

Evaluate, prepare and take informal and formal enforcement actions for violations of state drinking water program statutes and rules and for violations of delegated federal SDWA statutes and rules. Utilize community liaisons to track progress towards meeting compliance schedules. Submit the updated Enforcement Protocol Response (ERP) report within 3 weeks of receipt. Transmit the inspection report to the Drinking Water Monitoring Unit for SDWIS data entry.

#### 4.1 DELIVERABLES:

OUTPUT DESCRIPTION	Target	Actual	Responsible Section	Grant
1 Report the number of Drinking water sanitary surveys conducted, prioritized by date of last survey.				DWSRF 15%, DWSRF 10%
a Scheduled inspections of all surface water (SW), surface water purchased (SWP) or ground water under the direct influence of surface water (GWUDI) primary source PWSs are on a three-year cycle.	23	21	Compliance	
b Scheduled inspections of all non-community ground water (GW) or ground water purchased (GWP) primary source PWSs are on a five-year cycle.	117	79	Compliance	
c Scheduled inspections of all GW and GWP primary source community systems are on a three-year cycle.	76	118	Compliance	
d Scheduled inspections of all Outstanding Performers (GW and GWP) on a five-year cycle.	3	3	Compliance	
2 Report the total number of complaints investigated related to drinking water.	Semi-Annual	83	Compliance	PPG
3 Report the total number of complaints/non-routine drinking water inspections.	Semi-Annual	14	Compliance	PPG
4 Report the total number of informal Drinking Water Enforcement Actions.				PPG
a. Number of Notices of Opportunity to Correct (NOCs) and/or Notices of Violation (NOVs) issued	Semi-Annual	222	Compliance	

# SFY 2017 WORKPLAN

## GOAL #2: Protecting America's Waters

### OBJECTIVE 2.1 Protect Human Health

Program: GWR, DWR

#### TASK 4.1 Drinking Water Compliance and Enforcement

Continued

4.1 DELIVERABLES:				
OUTPUT DESCRIPTION	Target	Actual	Responsible Section	Grant
b. Number of NOC/NOV Closures	Semi-Annual	208	Compliance	PPG
5 Report the total number of formal Drinking Water Enforcement Actions.				
a. Number of Administrative Orders issued.	Semi-Annual	13	Compliance	PPG, DWSRF 10%
b. Number of Administrative Orders terminated	Semi-Annual	17	Compliance	
6 Evaluate and respond to EPA's July 2016 Enforcement Tracking Tool (ETT) Report.				
a. Address all water systems with a score, of 11 or higher.	7/1/2017		Compliance	
b. During the quarterly conference calls between ADEQ and EPA Enforcement Division, discuss and identify EPA/State workshare (i.e. list of specific systems) for addressing public water systems with a score of 11 or higher.	Quarterly	Q2=1, Q4=2	Compliance	
7 Hold monthly meetings and/or conference calls with EPA to discuss drinking water enforcement. Document agreement on discussed items and follow up actions	Monthly	Q2=4, Q4=2	Compliance	

# SFY 2017 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.1** Protect Human Health

**Program: GWR, DWR**

### **TASK 4.1 Drinking Water Compliance and Enforcement**

Continued

<b>4.1 FTE Funding Source</b>	<b>FTE</b>	<b>Personnel</b>	<b>ERE</b>	<b>Indirect</b>	<b>Others</b>	<b>Total</b>
WQFF-DWSRF 10% [Match]	0.30	18,572	8,172	11,965		38,709
WQFF- PPG [Match]	0.48	24,101	10,604	15,527		50,232
WQFF	1.15	64,678	28,458	41,669		134,805
SDW (VEI)	3.30	160,151	70,466	103,178		333,795
PPG	0.70	31,439	13,833	20,255		65,527
DWSRF 15%	0.40	17,782	7,824	11,456		37,062
DWSRF 10%	3.76	170,463	75,004	109,822		355,289
TOTALS	<b>10.09</b>	<b>487,186</b>	<b>214,361</b>	<b>313,872</b>		<b>1,015,419</b>

**End of Year Summary**

# SFY 2017 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.1** Protect Human Health

**Program: GWR, DWR**

### TASK 4.2 Groundwater Compliance and Enforcement

Implement measures to protect Arizona aquifers that serve as drinking water sources. Evaluate, prepare and take informal and formal enforcement actions for violations of state water quality statutes, rules and permit conditions. Utilize community liaisons to track progress towards meeting compliance schedules.

#### 4.2 DELIVERABLES:

OUTPUT DESCRIPTION	Target	Actual	Responsible Section	Grant
1 Report the number of inspections of facilities possessing the following permit types according to risk-based inspection criteria.				PPG, DWSRF 15%, DWSRF 10%
a. Individual APP; General APP/GQPP/NOD/Reuse On-site Inspections and File Reviews in response to SMRF violations	32		Compliance	
2 Report the total number of Informal Groundwater Enforcement Actions				PPG
a. Number of Notices of Opportunity to Correct (NOCs) and/or Notices of Violation (NOVs) issued.	Semi-Annual		Compliance	
b. Number of NOC/NOV Closures issued	Semi-Annual		Compliance	
3 Report the total number of Formal Groundwater Enforcement Actions.				PPG
a. Number of Administrative Orders issued.	Semi-Annual		Compliance	
b. Number of Administrative Orders terminated	Semi-Annual		Compliance	

4.2 FTE Funding Source	FTE	Personnel	ERE	Indirect	Others	Total
WQFF-DWSRF 10% [Match]	2.35	104,745	46,088	67,483		218,316
WQFF- PPG [Match]	1.15	57,360	25,238	36,955		119,553
WQFF	3.39	181,285	79,765	116,794		377,844
PPG	2.26	95,350	41,953	61,428		198,731
DWSRF 15%	1.86	108,219	47,616	69,721		225,556
DWSRF 10%	0.55	24,782	10,904	15,966		51,652
TOTALS	11.56	571,741	251,564	368,347		1,191,652

#### End of Year Summary

# SFY 2017 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.2** Protect and Restore Watersheds and Aquatic Ecosystems

**Program: GWR, SRW**

### TASK 4.3 Surface Water Compliance and Enforcement

Conduct site inspections of AZPDES regulated facilities. AZPDES inspection reports will encompass applicable activities as described in the NPDES Compliance Inspection Manual (EPA 305-x-04-001, July 2004).

Pretreatment audits and inspections shall be performed in accordance with "Pretreatment Compliance Inspection and Audit Manual for Approval Authorities" (EPA 833/B-86-100, July 1986)

Review each AZPDES permit application from publicly owned treatment works (POTW) without a pretreatment program to determine whether any significant industrial users (SIU) are discharging to the POTW. If so, require the POTW to develop a pretreatment program (full or SIU oversight only) in the subsequent permit or alternatively add the SIUs to the State's SIU inventory.

Review and approve new programs (full or SIU-oversight only) and changes to approved pretreatment programs submitted by POTWs. Provide written analyses to the POTWs when such submittals are unprovable.

Evaluate, prepare, and take informal and formal enforcement actions for violations of water quality statutes, rules and permit conditions and federal CWA statutes, rules and permit conditions. Utilize community liaisons to track progress towards meeting compliance schedules.

Manage the Arizona data in the ICIS-NPDES data system according to EPA data policies[1] and EPA's NPDES electronic reporting rule. This includes data collection, data entry to ICIS-NPDES of required data elements, and reporting. Data sources can include dischargers, state databases, and contractors. Per the rule's requirements, submit a "State Implementation Plan" for meeting phase 2 data requirements and ensure all DMR data is submitted electronically no later than December 21, 2016 with the exception of the storm water data which shall be entered in compliance with the PPG grant condition.

The final rule is effective on December 21, 2015. The incorporation by reference of certain publications listed in this rule was approved by the Director of the Federal Register as of February 7, 2000. In accordance with 40 CFR part 23, this regulation shall be considered issued for purposes of judicial review at 1 p.m. Eastern time on November 5, 2015. The start dates for electronic reporting are provided in 40 CFR 127.16.

#### 4.3 DELIVERABLES:

OUTPUT DESCRIPTION	Target	Actual	Responsible Section	Grant
1 Conduct the targeted number of AZPDES point source inspections:				PPG
a Perform scheduled compliance inspections of all major facilities that are operational every other year.	19	25	Surface Water	
b Perform scheduled compliance inspections of AZPDES minor point source facilities at least once in permit term.	11	19	Surface Water	

# SFY 2017 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.2** Protect and Restore Watersheds and Aquatic Ecosystems

**Program: GWR, SRW**

### TASK 4.3 Surface Water Compliance and Enforcement

Continued

4.3 DELIVERABLES:					
OUTPUT DESCRIPTION	Target	Actual	Responsible Section	Grant	
c ADEQ will continue negotiations toward a risk-based approach for inspection to EPA.	6/30/2017		Surface Water		
2 Conduct the targeted number of inspections of stormwater facilities subject to general permitting requirements				PPG	
a Industrial (MSGP)	50	61	Surface Water		
b.i. Phase 1 (facilities larger than 5 acres)	30	51	Surface Water		
b.ii. Phase 2 (facilities between 1-5 acres) *Inspections of facilities that do not have permit coverage but are subject to general permitting requirements shall count toward the total number of inspections.	7	20	Surface Water		
3 Conduct the targeted number of inspections of CAFO/AFO facilities (permitted and unpermitted).				PPG	
a Inspect all AZPDES permitted CAFOs on a five-year cycle.	0	0	Surface Water		
b Inspect unpemitted CAFOs, as needed	0	0	Surface Water		
4 Conduct the targeted number of Biosolids Inspections.					
a. Wastewater treatment plants that land apply or surface dispose biosolids once every five years (20/5).	5	4	Surface Water		
b Large commercial applications annually.	4	5	Surface Water		
c Small commercial applicators at least every other year; applicators applying to their own fields at least twice every five years.	2	2	Surface Water		
5 Review annual reports submitted under biosolids rule.	28	93	Surface Water		
6 Manage the pretreatment program.				PPG	

# SFY 2017 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.2** Protect and Restore Watersheds and Aquatic Ecosystems

**Program:** GWR, SRW

### TASK 4.3 Surface Water Compliance and Enforcement

Continued

4.3 DELIVERABLES:					
OUTPUT DESCRIPTION		Target	Actual	Responsible Section	Grant
a	Review the annual reports submitted by each POTW with an approved pretreatment program and provide written feedback when program deficiencies are found.	19	19	Surface Water	
b	Conduct pretreatment audits (PCA) of approved pretreatment programs. The audit shall include at least two inspections of significant industrial users to independently validate the application and implementation of pretreatment standards and requirements.	4	4	Surface Water	
c	Report the total number of pretreatment compliance inspections (PCIs) conducted for approved pretreatment programs. (A PCI shall not be conducted in the same year as a pretreatment audit.)	8	8	Surface Water	
d	Report the total number of SIU-oversight inspections (POTW with an SIU-oversight only pretreatment program). The focus of these inspections is solely to ensure that SIUs are complying with pretreatment standards and requirements.	Once in 5 years - 0 for FY17		Surface Water	
7	Report the total number of sanitary sewers inspected.	6	0	Surface Water	
8	Report total number of complaints investigated relating to Clean Water Act.				PPG
a	Complaints received.	Semi-Annual	20	Surface Water	
b	Number of complaint/non-routine surface water inspections.	Semi-Annual	4	Surface Water	
9	Report a list of informal enforcement actions issued and closed for any data not reported to ICIS:				
a	MSGP Issued; Closed	Semi-Annual	24 issued; 20 closed	Surface Water	



# SFY 2017 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.2** Protect and Restore Watersheds and Aquatic Ecosystems

**Program: GWR, SRW**

### TASK 4.3 Surface Water Compliance and Enforcement

Continued

4.3 DELIVERABLES:					
OUTPUT DESCRIPTION		Target	Actual	Responsible Section	Grant
b	CGP Issued; Closed	Semi-Annual	12 issued; 11 closed	Surface Water	
c	Biosolids Issued; Closed	Semi-Annual	0	Surface Water	
d	CAFO Issued; Closed	Semi-Annual	0	Surface Water	
10 Report a list of formal enforcement actions for any data not reported to ICIS.					
a	Administrative orders issued	Semi-Annual	3	Surface Water	
b	Administrative orders terminated.	Semi-Annual	1	Surface Water	
11 Complete a review and provide a response to automated QNCR (major/minor) data to identify and data inaccuracies			Mike Tenczar is completing monthly.	Surface Water	
12 Hold meetings and/or conference calls with EPA to discuss timely and appropriate CWA enforcement. (*) Document agreement on discussed items on follow up actions. One call each quarter will be devoted to discussing the QNCR/QNVR list and the details of actions taken on each SNC on the QNCR list.		Monthly	Meetings held every month.	Surface Water	
<p>Notes:</p> <p>EPA's policy defines "timely" enforcement as formal enforcement taken against a facility in significant non-compliance ("SNC") within 5 ½ months of the end of the quarter in which the facility first appears as SNC on a Quarterly Non-Compliance Report ("QNCR"). Formal enforcement is defined by EPA as an administrative order or civil action that requires the facility to return to compliance. EPA will consider taking formal enforcement action against SNC facilities if ADEQ does not issue a timely formal enforcement action.</p>					

# SFY 2017 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.2** Protect and Restore Watersheds and Aquatic Ecosystems

**Program:** GWR, SRW

### TASK 4.3 Surface Water Compliance and Enforcement

Continued

#### 4.3 DELIVERABLES:

OUTPUT DESCRIPTION	Target	Actual	Responsible Section	Grant
13 Update the compliance monitoring strategy for FY17.	8/1/2016			
14 Complete the outstanding action items from the 2014 State Review Framework report				
a Enter SEVs into ICIS (see general language for data entry on page 39) Meet with EPA by July 29, 2016 to discuss ICIS entry options	7/29/2016	1/27/2017		

4.3 FTE Funding Source	FTE	Personnel	ERE	Indirect	Others	Total
WQFF- PPG [Match]	2.50	116,931	51,450	75,333		243,714
WQFF- NPS in PPG [Match]	0.43	22,592	9,940	14,555		47,087
WQFF	5.43	311,296	136,970	200,554		648,820
PPG	3.22	155,757	68,533	100,347		324,637
TOTALS	11.58	606,576	266,893	390,789		1,264,258

#### End of Year Summary

ADEQ completed a total of 246 combined AZPDES program related inspections in FY17 - with 75% of those facilities being in compliance at the time of the inspection. It is ADEQ's goal to have over 90% of facilities in compliance at time of inspection. ADEQ is actively working on compliance assistance outreach programs to achieve this goal for FY18.

ADEQ closed out a total of 39 informal enforcement cases in FY17 related to the AZPDES program. The total number of days for a facility to return back into compliance after a notice was issued was 69 days. It is ADEQ's goal to bring a facility back into compliance within 60 days after an inspection.

# SFY 2017 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.1, 2.2** Protect Human Health & Protect and Restore Watersheds and Aquatic Ecosystems (2.1 & 2.2)

**Program: GWR, DWR, SWR**

### TASK 5.1 Division & Section Management & Support

Manage Water Quality Division and Section programs. Perform managerial, administrative, and other program duties. Advise management team and provide guidance and training to staff. Provide program oversight and guidance to regional staff performing tasks under the integrated work plan. Coordinate development and implementation of delegation agreements. Coordinate necessary rules and policy development for division programs. Provide senior level technical, regulatory and hydrologic support to the Division Director, the Water Quality Division, and the agency. Develop concise, comprehensive, and technically and legally defensible products supporting development, implementation, and interpretation of WQD programs. Process fees and related administrative tasks for the Division.

#### 5.1 DELIVERABLES:

OUTPUT DESCRIPTION	Target	Actual	Responsible Section	Grant
1 Participate in EPA/ADEQ grant meetings:				PPG, DWSRF 10%
a End of year review for FY16	9/30/2016		All Sections	
b Mid-year review for FY17	2/28/2017		All Sections	
c EPA negotiation meetings for FY18	3/31/2017		All Sections	
2 Manage division rules agenda				PPG
a 5-year reviews	6/30/2017		Director	
b Executive Order 2015-01 reducing regulatory burden	8/1/2016		Director	
c Rule packages with governor's exemption	6/30/2017		Director	
3 Manage receipt of fees and permit invoicing for the Division	6/30/2017		Deputy Director	
4 If resources are available, ADEQ will attend the: Fall ASDWA meetings and associated ASDWA-EPA roundtable discussions.	6/30/2017		Drinking Water	
5 If resources are available, ADEQ will attend the: Spring ASDWA meetings and associated ASDWA-EPA roundtable discussions.	6/30/2017		Drinking Water	
6 If resources are available, ADEQ will attend the EPA Region 9 State Directors meeting.	6/30/2017		Drinking Water	

# SFY 2017 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.1, 2.2** Protect Human Health & Protect and Restore Watersheds and Aquatic Ecosystems (2.1 & 2.2)

**Program: GWR, DWR, SWR**

### TASK 5.1 Division & Section Management & Support

Continued

#### 5.1 DELIVERABLES:

OUTPUT DESCRIPTION	Target	Actual	Responsible Section	Grant
7 If resources available, ADEQ will participate in rule development workgroups/workshops as requested by ASDWA or EPA.	6/30/2017		Drinking Water	
8 4) In keeping with EPA Region 9's Greening Grants Policy, ADEQ will identify any appropriate goals and measures for the Agency in the areas of environmental preferable purchasing, resource conservation and disposal, and/or energy efficiency and conservation			Director	
9 Collaborate with EPA Region 9 to generate a draft update to the Arizona/EPA Accord	10/31/2016		Director	
10 Collaborate with EPA Region 9 to generate a final version Arizona/EPA Accord	6/30/2017		Director	

5.1 FTE Funding Source	FTE	Personnel	ERE	Indirect	Others	Total
WQFF- PPG [Match]	0.41	46,228	20,340	29,783		96,351
WQFF	7.95	549,623	241,834	354,098		1,145,555
SDW (VEI) DWSRF 10% [Match]	1.00	68,519	30,148	44,144		142,811
SDW (VEI)	2.06	158,861	69,899	102,347		331,107
PPG	3.86	230,313	101,338	148,381		480,032
DWSRF 10%	0.38	25,004	11,002	16,109		52,115
Contract: Agency Director (WQFF)					23,500	23,500
Contract: Program Support (WQFF)					20,000	20,000
Contract: Permit Appeals (WQFF)					30,000	30,000
Contract: Attorney General (PPG)					100,000	100,000
TOTALS	15.66	1,078,548	474,561	694,862	173,500	2,421,471

#### End of Year Summary

# SFY 2017 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.1, 2.2** Protect Human Health & Protect and Restore Watersheds and Aquatic Ecosystems (2.1 & 2.2)

**Program: GWR, DWR, SWR**

### TASK 5.2 Water Quality Planning

Coordinate the development and amendment of annual water quality work plans and grants. Plan, control and monitor expenditures of manpower and state/federal financial resources.

#### 5.2 DELIVERABLES:

OUTPUT DESCRIPTION	Target	Actual	Responsible Section	Grant
1 Develop annual FY18 Integrated Water Quality Division Workplan and submit to EPA.				PPG
a Draft	2/28/2017		Deputy Director	
b Final	5/31/2017		Deputy Director	
2 Coordinate development of performance reports				PPG
a Final FY16 Output Report to EPA	8/31/2016		Deputy Director	
b FY17 Mid-Year Output Report to EPA	2/15/2017		Deputy Director	
3 WQ Planning documents				PPG
ai Submit Budget Status Reports (BSR) summaries for: Performance Partnership Grant (PPG)	Quarterly: 10/31/2016 1/31/2017 4/30/2017		Deputy Director	
aii Submit Budget Status Reports (BSR) summaries for: DWSRF Federal (15%) Set-Aside	Quarterly: 10/31/2016 1/31/2017 4/30/2017		Deputy Director	
aiii Submit Budget Status Reports (BSR) summaries for: Wellhead (10%) Set-Aside	Quarterly: 10/31/2016 1/31/2017 4/30/2017		Deputy Director	

# SFY 2017 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.1, 2.2** Protect Human Health & Protect and Restore Watersheds and Aquatic Ecosystems (2.1 & 2.2)

**Program: GWR, DWR, SWR**

### TASK 5.2 Water Quality Planning

Continued

5.2 FTE Funding Source	FTE	Personnel	ERE	Indirect	Others	Total
PPG	0.50	17,425	7,667	11,226		36,318
TOTALS	0.50	17,425	7,667	11,226		36,318

End of Year Summary

# SFY 2017 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.1, 2.2** Protect Human Health & Protect and Restore Watersheds and Aquatic Ecosystems (2.1 & 2.2)

**Program: GWR, DWR, SWR**

### TASK 5.3 Water Quality Data Management

Facilitate the development and management of relevant database applications. Facilitate the development of new and expansion of existing e-government applications. Facilitate water data capture, storage, access, retrievals, analysis, integration, and sharing.

All water quality data generated in accordance with an EPA approved Quality Assurance Project Plan will be transmitted into the Agency's Storage and Retrieval (STORET) data warehouse using either the Water Quality Exchange (WQX) or WQXweb. Water quality data that are appropriate for STORET include physical, chemical, and biological sample results for water, sediment and fish tissue. The data include toxicity data, microbiological data, and the metrics and indices generated from biological and habitat data. WQX is the water data schema associated with the EPA, State and Tribal Exchange Network. More information about WQX, WQXweb, and the STORET warehouse, including tutorials, can be found at <http://www.epa.gov/storet/wqx/>

### 5.3 DELIVERABLES:

OUTPUT DESCRIPTION	Target	Actual	Responsible Section	Grant
1 Conduct gap analysis to inform design and programming of the required systems to implement EPA's E-reporting rule, including E-DMR.	6/30/2017		ITS Director Compliance	PPG
2 Complete gap analysis to allow participating laboratories to transmit test data to SDWIS via CMDP, pending completion of CMDP.	12/31/2016		ITS Director Drinking Water	
3 Continue to diagnose and fix bugs in ADEQ Water Quality Compliance Database uploads to EPA Integrated Compliance Information System database.	6/30/2017		ITS Director	PPG
4 Continue to assist in the analysis and design of myDEQ.	6/30/2017		ITS Director Permits Surface Water Compliance Drinking Water	
5 Water Quality Database				PPG
a Install new software and complete data migration to manage water quality data.	6/30/2017	6/30/2017	ITS Director Surface Water	
b Diagnose and fix bugs in current water quality database, including data loads to EPA Water Quality Exchange network during transition to new database solution.	6/30/2017	6/30/2017	ITS Director Surface Water	

# SFY 2017 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.1, 2.2** Protect Human Health & Protect and Restore Watersheds and Aquatic Ecosystems (2.1 & 2.2)

**Program: GWR, DWR, SWR**

### TASK 5.3 Water Quality Data Management

Continued

#### 5.3 DELIVERABLES:

OUTPUT DESCRIPTION	Target	Actual	Responsible Section	Grant
6 Stormwater general permits				
a Diagnose and fix bugs related to permits in storm water database, including annual fees program.	6/30/2017		ITS Director Surface Water	
b Diagnose and fix bugs related to storm water database e-permitting system, Smart-NOI.	6/30/2017		ITS Director Surface Water	
7 Reporting				
a Continue to develop a data warehouse solution for storm water permits, class V injection wells and Discharge Monitoring Report data.	6/30/2017		ITS Director Surface Water Compliance	

5.3 FTE Funding Source	FTE	Personnel	ERE	Indirect	Others	Total
WQFF	8.10	589,831	259,526	380,002		1,229,359
PPG	0.88	57,370	25,243	36,961		119,574
Contract: SAIC (SDW-VEI)					30,000	30,000
Contract: Data Warehouse (PPG)					65,200	65,200
TOTALS	8.98	647,201	284,769	416,963	95,200	1,444,133

#### End of Year Summary

The new water quality database was completed on 6/30/17. Data is flowing from ADEQ to WQX on a daily basis. The new database houses chemistry, algae, macroinvertebrate, habitat, and soil data. New functionality includes the ability to store quality control samples, flag rejected data, and automate the quality assurance review process.



# SFY 2017 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.1, 2.2** Protect Human Health & Protect and Restore Watersheds and Aquatic Ecosystems (2.1 & 2.2)

**Program: GWR, DWR**

### TASK 5.4 WIFA Support

Provide water and wastewater engineering assistance to WIFA. Pursuant to 2014 amendments to the Clean Water Act, assist WIFA's review of applicants' Cost and Effectiveness Analyses and Fiscal Sustainability Plans. Cost and Effectiveness Analyses include an evaluation of the cost and effectiveness of the Processes, materials, techniques and technologies of the projects. Fiscal Sustainability Plans include an inventory of critical assets, evaluation of asset performance, and a plan for repair and replacement. Initial implementation will be wastewater projects in the first year, but may increase and include drinking water projects over time. Also assist WIFA project managers with the American Iron and Steel requirements.

#### 5.4 DELIVERABLES:

OUTPUT DESCRIPTION	Target	Actual	Responsible Section	Grant
1 Provide engineering consultation to WIFA project managers during loan application process:				
a Review WIFA project manager's due diligence report for evaluation of project purpose, scope and cost.	2-5 projects every other month	0	Water Permits Drinking Water	
b Accompany WIFA project managers on loan application visits when needed to assist with evaluation of technical aspects of project.	3 projects every other month	0	Water Permits Drinking Water	
c Assist with WIFA review of applicants' Cost and Effectiveness Analyses and Fiscal Sustainability Plans.	2-4 wastewater projects	0	Water Permits Drinking Water	
2 Accompany WIFA project managers on construction observations when needed to assist with review of American Iron and Steel compliance.	6 visits per year	0	Water Permits Drinking Water	
3 Answer questions/provide engineering consultation to WIFA project managers as technical questions arise.	6/30/2017	0	Water Permits Drinking Water	

5.4 FTE Funding Source	FTE	Personnel	ERE	Indirect	Others	Total
SDW (VEI)	0.25	19,633	8,639	12,649		40,921
TOTALS	0.25	19,633	8,639	12,649		40,921

#### End of Year Summary

# SFY 2017 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.1, 2.2** Protect Human Health & Protect and Restore Watersheds and Aquatic Ecosystems (2.1 & 2.2)

**Program: GWR, DWR, SWR**

### TASK 5.5 Border Strategy

Continue implementation of the Border Strategy Plan by identifying water quality transboundary issues, coordinating with U.S. and Mexican counterparts toward the resolution of respective issues, and conducting water quality studies in the Arizona border region.

Coordinate with EPA on Border 2020, or subsequent U.S.-Mexico border environmental program activities, and provide technical support as feasible on projects funded through the program.

### 5.5 DELIVERABLES:

OUTPUT DESCRIPTION	Target	Actual	Responsible Section	Grant
1 Continue support of the wastewater pretreatment program in the Ambos Nogales border region. Specific activities include:				
a Provide technical support to stakeholders Strategy 3.c.i	6/30/2017		SRO	
b Maintain or revise, if necessary, ADEQ's current Memorandum of Understanding with Nogales, Sonora authorities	6/30/2017		SRO	
c Assist with coordination of training to enhance local pretreatment efforts	6/30/2017		SRO	
d Assist with source characterization of regulated contaminants	6/30/2017		SRO	
2 Participate in or chair meetings with binational stakeholders regarding issues and remedies to the water quality impairment of shared watersheds along the US/Mexico border including Nogales Wash in Ambos Nogales  Strategy 3.c.i	6/30/2017		SRO	DWSRF 15%
3 Support work in Nogales, Sonora to reduce sanitary sewer overflows into Nogales Wash.	6/30/2017		SRO	
4 Coordinate with EPA on Border 2020 and provide technical support as feasible on projects funded through the program.	6/30/2017		SRO	

# SFY 2017 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.1, 2.2** Protect Human Health & Protect and Restore Watersheds and Aquatic Ecosystems (2.1 & 2.2)

**Program:** GWR, DWR, SWR

### TASK 5.5 Border Strategy

Continued

#### 5.5 DELIVERABLES:

OUTPUT DESCRIPTION	Target	Actual	Responsible Section	Grant
5 Assist in TMDL and groundwater quality investigations for sites located in the border region as assigned. Investigations may include the need to photo-document conditions, collect field notes, conduct water quality sampling and data management, and/or file preliminary reports on findings.  Strategy 1.c.i; Strategy 1.c.ii	6/30/2016		SRO	
6 Assist in the development and oversight of special conditions for permits assigned to operators of facilities in the border region.	6/30/2017		SRO	
7 Provide bilingual compliance assistance to customers in the border region.	6/30/2017		SRO	

5.5 FTE Funding Source	FTE	Personnel	ERE	Indirect	Others	Total
WQFF	0.97	64,164	28,232	41,338		133,734
DWSRF 15%	0.33	21,836	9,608	14,068		45,512
TOTALS	1.30	86,000	37,840	55,406		179,246

#### End of Year Summary

# SFY 2017 WORKPLAN

## **EPA LABORATORY COMPETENCY POLICY**

The Arizona Department of Environmental Quality (ADEQ), Water Quality Division certifies that laboratories providing data to ADEQ per approved workplan activities has/have the appropriate certification/accreditation/QA documentation and has/have been evaluated by the ADEQ to determine that the laboratory (ies) has/have demonstrated competency in the requested fields of analyses, as required by EPA's Laboratory Competency Policy.